Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently amended) A method for preparing a substrate, the method comprising:
 - (a) applying a colloidal solution comprising particles and a solvent to a substrate;
 - (b) drying the colloidal solution, wherein a monolayer of the particles remain on the substrate; and
 - (c) __sintering the particles;
 - wherein the substrate comprises a first electrode or a first electrolyte and wherein the particles comprise a second electrode or a second electrolyte.
- 2. (Currently amended) The method of claim 1 further comprising (d) applying a second colloidal solution comprising second particles and a second solvent to the substrate, and (e) drying the second colloidal solution, wherein a monolayer of the second particles remain on the substrate.
- 3. (Original) The method of claim 2 wherein the second particles are smaller than the first particles.
- 4. (Currently amended) The method of claim 2 wherein at least a portion of the <u>first or second</u> particles comprise substantially the same material as the substrate.
- 5. (Original) The method of claim 1 wherein the substrate comprises an electrode and the particles comprise an electrolyte.

- (Original) The method of claim 1 wherein the substrate comprises a first 6. electrolyte and the particles comprise a second electrolyte.
- (Original) The method of claim 1 wherein the substrate comprises copper-7. substituted bismuth vanadate, and the particles comprise a material selected from the group consisting of SDC, GDC, YSZ, and ScZ.
- (Original) The method of claim 1 wherein the substrate comprises a 8. material selected from the group consisting of GDC and SDC, and the particles comprise a material selected from the group consisting of YSZ and ScZ.
- (Original) The method of claim 1 wherein the substrate is porous and the 9. size of the average diameter of the particles is larger than the average diameter of the pores.
- (Currently amended) A method for depositing material onto a fuel cell 10. electrode, the method comprising:
 - applying a colloidal solution comprising particles and a solvent to the fuel cell electrode:
 - drying the colloidal solution, wherein a monolayer of the particles remain on the fuel cell electrode; and
 - (c) sintering the particles; wherein the particles comprise an electrode or an electrolyte.
- (Currently amended) The method of claim 10 further comprising 11. (d) applying a second colloidal solution comprising second particles and a second solvent to the fuel cell electrode, and (e) drying the second colloidal solution, wherein at least a portiona monolayer of the second particles remain on the fuel cell electrode.

- 12. (Original) The method of claim 11 wherein the second particles are smaller than the first particles.
- 13. (Currently amended) The method of claim 11 wherein at least a portion of the <u>first or second</u> particles comprise substantially the same material as the fuel cell electrode.
- 14. (Original) The method of claim 10 wherein the particles comprise an electrolyte.
- 15. (Original) The method of claim 10 wherein the particles comprise a second electrolyte.
- 16. (Currently amended) The method of claim 10 wherein the <u>fuel cell</u> electrode comprises copper-substituted bismuth vanadate and the particles comprise a material selected from the group consisting of SDC, GDC, YSZ, and ScZ.
- 17. (Original) The method of claim 10 wherein the fuel cell electrode comprises a material selected from the group consisting of GDC and SDC, and the particles comprise a material selected from the group consisting of YSZ and ScZ.
- 18. (Currently amended) The method of claim 10 wherein the <u>fuel cell</u> electrode is porous and the size of the average diameter of the particles is larger than the average diameter of the pores.
- 19. (Currently amended) A method for applying a first electrode or a first electrolyte to a substrate, the method comprising:
 - (a) steps for applying a suspension to the substrate, wherein the suspension comprises a solvent and a first electrode or a first

electrolyte and wherein the substrate comprises a second electrode or a second electrolyte; and

- (b) steps for drying the substrate, wherein a monolayerat least a portion of the first electrode or the first electrolyte is deposited on the substrate.
- 20. (Currently amended) The method of claim 19 further comprising (c) steps for applying a second suspension comprising a third electrode or a third electrolyte and a second solvent to the substrate, and (d) steps for drying the second suspension, wherein at least a portion a monolayer of the third electrode or a third electrolyte remain on the substrate.
- 21. (Original) The method of claim 20 wherein the third electrode or the third electrolyte is smaller than the first electrode or first electrolyte.
- 22. (Original) The method of claim 20 wherein at least a portion of the first electrode or first electrolyte comprise substantially the same material as the substrate.
- 23. (Original) The method of claim 19 wherein the substrate comprises an electrode and the suspension comprises an electrolyte.
- 24. (Original) The method of claim 19 wherein the substrate comprises a second electrolyte and the suspension comprises a first electrolyte.
- 25. (Original) The method of claim 19 wherein the substrate comprises copper-substituted bismuth vanadate and the suspension comprises a material selected from the group consisting of SDC, GDC, YSZ, and ScZ.

- 26. (Original) The method of claim 19 wherein the substrate comprises a material selected from the group consisting of GDC and SDC, and the particles comprise a material selected from the group consisting of YSZ and ScZ.
- 27. (Original) The method of claim 19 wherein the substrate is porous and the size of the average diameter of the first electrode or a first electrolyte is larger than the average diameter of the pores.
- 28. (New) The method of claim 1 comprising repeating steps (a) and (b) at least once prior to performing step (c).
- 29. (New) The method of claim 2 comprising repeating steps (a), (b), (d), and (e) at least once prior to performing step (c).
- 30. (New) The method of claim 10 comprising repeating steps (a) and (b) at least once prior to performing step (c).
- 31. (New) The method of claim 11 comprising repeating steps (a), (b), (d), and (e) at least once prior to performing step (c).
- 32. (New) The method of claim 19 further comprising repeating steps (a) and (b) at least once.
- 33. (New) The method of claim 20 further comprising repeating steps (a), (b), (c), and (d) at least once.